The Student Information System (SIS) Replacement Project will replace the current collection of aging, labor intensive, and vulnerable systems into a unified, efficient, agile, and progressive solution.

The New SIS will enable:

- Needed Efficiencies
- Service Opportunities
- Technological Security
- Functional Consistency
The journey to this mission critical solution started nearly ten years ago and is marked by campus wide collaboration, near collapse of the current SIS, and intense research and planning.

2005 - Student Affairs began the effort to replace vulnerable SIS

2006 - Kuali Consortium identified as path forward

2009 - Student Affairs coordinated tech program and portfolio management

2010 - First ever cross-campus risk assessment, inventory, and audit of SIS

2011 - End of UC Berkeley participation in Kuali Consortium

2011 - Vendor Exploration & Logical Architecture Mapping

2012 - Several “near misses” of critical systems such as TeleBears and Degree Audit

2013 - First phase of project. Developing and refining scope and requirements

2014 - CalCentral created as improved interface of BearFacts
The current SIS is greatly hampering the ability to provide efficient service to students creating financial, registration, course planning, and advisement issues that result in unneeded expense and delayed graduation.

The Current SIS fails to:
- Warn students that withdrawing from a course will impact their financial aid.
- Provide efficient and intuitive registration process
- Assist students with mapping a path to on-time graduation
- Provide proactive academic/financial warnings (close to failing a course...)
Faculty Are Suffering

The aging SIS system is also a pain point for the faculty who are unable to adequately manage the basic issues around course management. The current labor intensive solutions take precious time away from faculty and staff.

Faculty Pain Points:
- grade submission
- registration request
- student advising
- waitlist
- drops
- course evaluations
- room assignments
- course prerequisites
- tracking students
- along with several unique graduate student issues (Committees, appointments...)
The SIS Replacement Project is a large undertaking and has a proportional large financial investment. This is not the type of project that should be done “on the cheap”. A quality, comprehensive, unified SIS supports the entire infrastructure of academic success.

<table>
<thead>
<tr>
<th>Investment:</th>
<th>Return:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Implementation Costs: $82.8m</td>
<td>• Delivery of proven SIS with he assistance of a proven consulting agency</td>
</tr>
<tr>
<td>True Project Costs: $54.3m</td>
<td>• Reliable system that does not risk failure of critical processes (admissions, enrollment, …)</td>
</tr>
<tr>
<td>Software: $4.8m</td>
<td>• Students and faculty will spend less time navigating outdated technology and more on teaching, learning, and research</td>
</tr>
<tr>
<td>Generally Donated Costs: $17m</td>
<td>• Staff will use tools that enable them to provide better and more integrated service</td>
</tr>
<tr>
<td>Hardware: $1.45m</td>
<td>• Holistic view of richer student data, enabling stronger research on students and more comprehensive advising</td>
</tr>
<tr>
<td>CS License: $3.36m</td>
<td></td>
</tr>
<tr>
<td>Consulting: $21.68m</td>
<td></td>
</tr>
<tr>
<td>Exist Staff: $12.51m</td>
<td></td>
</tr>
<tr>
<td>New Staff: $15.82m</td>
<td></td>
</tr>
<tr>
<td>Proj Space: $1.34m</td>
<td></td>
</tr>
<tr>
<td>COS: $9.7m</td>
<td></td>
</tr>
<tr>
<td>Risk Mtg-Com/Chg $3.0m</td>
<td></td>
</tr>
<tr>
<td>Misc: $0.78m</td>
<td></td>
</tr>
<tr>
<td>Contingency: $8.44m</td>
<td></td>
</tr>
</tbody>
</table>
Investment/Returns: Personnel

One of the important strength of the SIS Replacement Project is the investment of strategically creating an knowledgeable staff. The Project has hired Sierra-Cedar consulting firm and paired their consultants with UC Berkeley Subject Matter Experts from partnering campus offices. The result is a team that is familiar with the campus needs and SIS implementation know how.

Investing our staff into project execution with consultants gives us:
- Reduced cost of consulting
- Core knowledge of systems design and usage
- Eliminates costly and potentially ineffective hand off of system at the end.
Investment Options

Do Nothing:
Leaves students and faculty woefully underserved and campus systems vulnerable to failure.

Implement Partial scope:
No piece of this project exist in isolation. Not delivering on any one piece of the project still impacts students and faculty by leaving their needs unmet.

Implement Full Scope:
Service and stability of the SIS is drastically improved free students and faculty to focus on enriching the academic experience.
Future State: Students

The new SIS will be able to prompt students when they are in the “warning zone” for financial or academic issues. It will empower students to create course plans to ensure timely graduation. It will free them from the frustration of the Telebears process.
Future State: Faculty

Faculty will be freed from the tedious manual tasks that they are now forced to do. This new found efficiency will enable them to focus more on advisement and other student services. They will also be supplied with new information that will empower them to make informed decisions based on data.
In Closing

UC Berkeley is long overdue to implement a unified, efficient, agile, and progressive SIS. Our students, faculty, and staff have been resourceful and patient with the current system but that system has been holding them back from achieving the mission of expanding undergraduate academic services. Unburdened by technological limitation our students, faculty, and staff will continue to make UC Berkeley the Greatest University in the World.